



Naval Sea Logistics Center

**HM&E Equipment
Standardization
Keith E. Doyne
4 March 2004**



***Building tomorrow's solutions today
...as your logistics partner***



Agenda

- Background
- Standardization Program
- HEDRS
- Summary



Requirement to Standardize

- USC Title 10, Chapter 145, Section 2451, Paragraph (C.1)
 - ✓ “In standardizing supplies the Secretary shall, to the highest degree practicable - standardize items used throughout the Department of Defense by reducing the number of sizes and kinds of items that are generally similar”
- DoD 4120.24-M, Defense Standardization Program Policies & Procedures



Problem

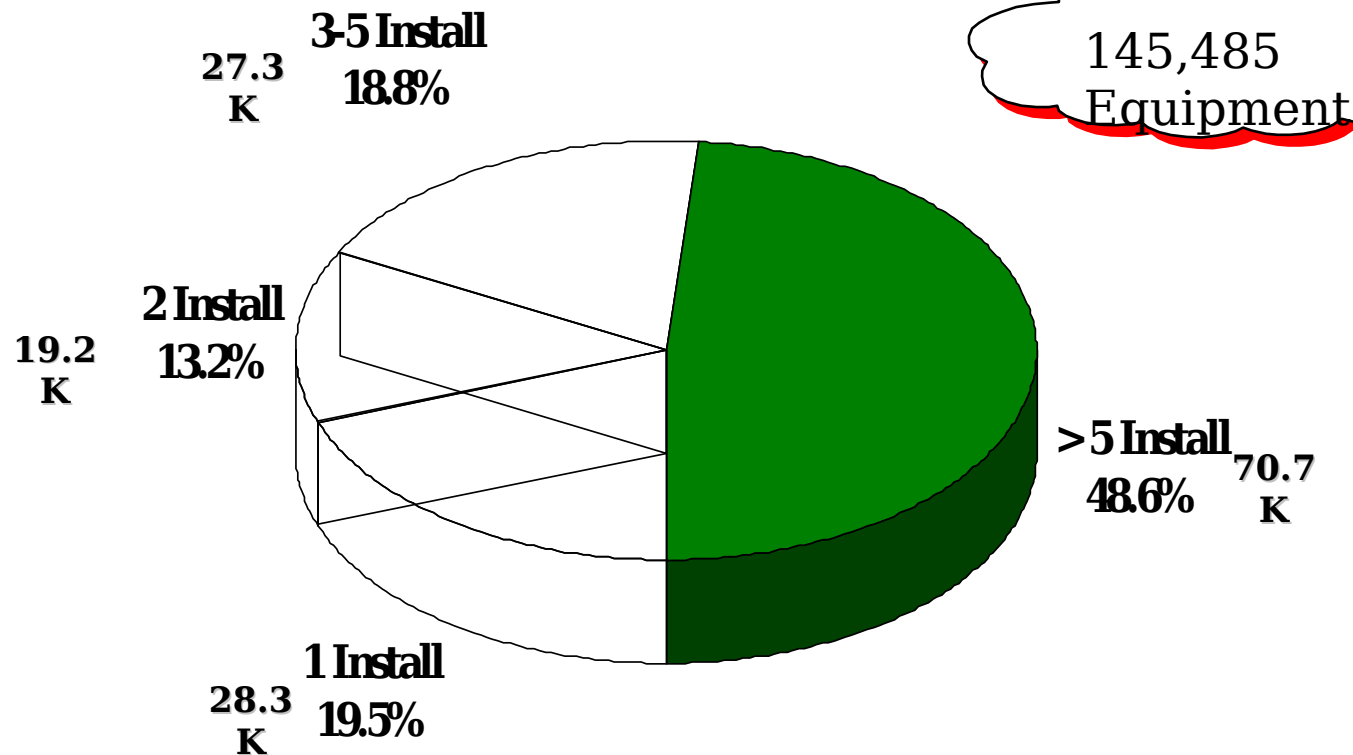
- The proliferation of new HM&E equipment translates to
 - ✓ Higher life-cycle logistics support costs
 - ✓ Adversely impacts Fleet readiness



State Of Standardization

Fleet Wide

Information Available Regarding Installation
of Active Fleet HM&E Equipment



Based on NSLC FY2003 Standard Profiles
Reports

Naval Sea Logistics Center



Standardization Program

- State of Standardization Examples:
 - ✓ Over 1700 Motors (> 21% of the motors) used in the active fleet are **Unique One-of-a-Kind**.
 - ✓ Likewise, almost 6000 Valves used in the active fleet are **Unique One-of-a-Kind**.
 - ✓ A review of CASREPs over the last 5 years indicate that the equipment with 5 or less fleet installations have a 6 times higher incidence of CASREPs than those with over 5 installations.



High Level of Attention

- Mr. Nick Kunesh - Deputy Assistant Secretary Navy for Logistics
- Mr. John Goodhart - Naval Sea Systems Command, Assistant Deputy Commander Fleet Logistics Support



Standardization Program

- Program Purpose

- ✓ Improve readiness & reduce costs to the Navy by achieving the highest degree of HM&E equipment standardization and commonality with the Navy Active Fleet, the Military Sealift Command, and US Coast Guard.
- ✓ Assist program offices in achieving HM&E equipment standardization goals.
- ✓ Assist the fleet in resolving HM&E equipment problems.
- ✓ Identify and estimate ILS Cost avoidances.

Standardization Program

- Acquisition/Program Support
 - ✓ Standardization Program Plan Development
 - ✓ Products/Tools
 - ✓ Training
 - ✓ Data Analyses
 - ✓ Economic Analyses



Ship Class

- **LHD-5**
- **LPD-17**
- **DDG-51**
- **WAGB-10**
- **TAKR- 310**



Programs

- **Affordability Though Commonality**
- **Total Ownership**

Cost



Standardization Program

- Activities Supported
 - ✓ PEO/Ship Program Managers
 - ✓ NAVSEA Field Activities
 - ✓ Fleet Activities/Ships
 - ✓ DSCR
 - ✓ DSCC
 - ✓ Military Sealift Command
 - ✓ USCG
 - ✓ Private Shipbuilders



HEDRS

-
- Access to form, fit, function, and application data on over 140,000 HM&E equipments in the Fleet
 - Web enabled & Password protected
 - Only source of OEM reproducibility data for HM&E equipment
 - Linked to Product Data Reporting & Evaluation Program (PDREP)
 - Accessible via Naval Sea Logistics Center Homepage (<http://nslc.navsea.navy.mil>)



HEDRS

-
- What can HEDRS do?
 - ✓ Search for suitable equipment substitutes
 - ✓ Identify HM&E equipment used in the Fleet
 - ✓ List “One-of-kind” HM&E equipment on a ship
 - ✓ Identify potential Diminishing Manufacturing Sources equipment on a ship
 - ✓ Provide OEM reprourement information
 - ✓ Identify HM&E equipment, assigned APLs, that are also COTS



HEDRS

- What HEDRS provides
 - ✓ ILS Cost Calculator
 - ILS elements available: Provisioning, NSN Maintenance, Training, PMS, Technical Manuals, Drawings, Configuration
 - ✓ Sample Standardization Program plans
 - ✓ Standardization References
 - ✓ Standardization Primers



Summary

- Comply with DoD requirements
- Provide greater control on ship life cycle costs
- Reduce the number of new HM&E equipment introduced into the Fleet and number of obsolete and/or unique equipment in Fleet
- Improve supply support